

CLAIMS:

1 1. A method for preventing at least in part a hacker from performing unwanted
2 activities in a computer system comprising the steps of:

3 receiving a request to provide a service from a user;

4 determining if said request was transmitted from a user space or a kernel
5 space of a memory space of said computer system, wherein if said request was
6 transmitted from said user space then said user is an unauthenticated user; and

7 determining if said request from said unauthenticated user fails to satisfy a
8 security requirement for unauthenticated requests, wherein if said request from said
9 unauthenticated user fails to satisfy said security requirement for unauthenticated
10 requests then said request is not serviced.

1 2. The method as recited in claim 1, wherein if said request from said
2 unauthenticated user does not fail to satisfy said security requirement for said
3 unauthenticated requests then said request is serviced.

1 3. The method as recited in claim 1, wherein if said request was from said kernel
2 space then the method further comprises the step of:

3 determining whether said request was transmitted from a manager in said
4 kernel space configured to establish a secure authorized connection between said user
5 and said kernel space if said user is authorized.

1 4. The method as recited in claim 3, wherein if said request was not transmitted
2 from said manager then said user is said unauthenticated user, wherein the method
3 further comprises the step of:

4 determining whether said request satisfies said security requirement for
5 unauthenticated requests.

1 5. The method as recited in claim 4, wherein if said request does not satisfy said
2 security requirement for unauthenticated requests then said request is not serviced.

1 6. The method as recited in claim 4, wherein if said request satisfies said security
2 requirement for unauthenticated requests then said request is serviced.

1 7. The method as recited in claim 3, wherein if said request was transmitted from
2 said manager then said user is an authenticated user, wherein the method further
3 comprises the step of:

4 determining whether said request satisfies a security requirement for
5 authenticated requests.

1 8. The method as recited in claim 7, wherein if said request does not satisfy said
2 security requirement for authenticated requests then said request is not serviced.

1 9. The method as recited in claim 7, wherein if said request satisfies said security
2 requirement for authenticated requests then said request is serviced.

1 10. A computer program product having a computer readable medium having
2 computer program logic recorded thereon for preventing at least in part a hacker from
3 performing unwanted activities in a computer system, comprising:

4 programming operable for receiving a request to provide a service from a
5 user;

6 programming operable for determining if said request was transmitted from a
7 user space or a kernel space of a memory space of said computer system, wherein if
8 said request was transmitted from said user space then said user is an unauthenticated
9 user; and

10 programming operable for determining if said request from said
11 unauthenticated user fails to satisfy a security requirement for unauthenticated
12 requests, wherein if said request from said unauthenticated user fails to satisfy said
13 security requirement for unauthenticated requests then said request is not serviced.

1 11. The computer program product as recited in claim 10, wherein if said request
2 from said unauthenticated user does not fail to satisfy said security requirement for
3 said unauthenticated requests then said request is serviced.

1 12. The computer program product as recited in claim 10, wherein if said request
2 was from said kernel space then the computer program product further comprises:

3 programming operable for determining whether said request was transmitted
4 from a manager in said kernel space configured to establish a secure authorized
5 connection between said user and said kernel space if said user is authorized.

1 13. The computer program product as recited in claim 12, wherein if said request
2 was not transmitted from said manager then said user is said unauthenticated user,
3 wherein the computer program product further comprises:

4 programming operable for determining whether said request satisfies said
5 security requirement for unauthenticated requests.

1 14. The computer program product as recited in claim 13, wherein if said request
2 does not satisfy said security requirement for unauthenticated requests then said
3 request is not serviced.

1 15. The computer program product as recited in claim 13, wherein if said request
2 satisfies said security requirement for unauthenticated requests then said request is
3 serviced.

1 16. The computer program product as recited in claim 12, wherein if said request
2 was transmitted from said manager then said user is an authenticated user, wherein
3 the computer program product further comprises:

4 programming operable for determining whether said request satisfies a
5 security requirement for authenticated requests.

1 17. The computer program product as recited in claim 16, wherein if said request
2 does not satisfy said security requirement for authenticated requests then said request
3 is not serviced.

1 18. The computer program product as recited in claim 16, wherein if said request
2 satisfies said security requirement for authenticated requests then said request is
3 serviced.

1 19. A system, comprising:
2 a processor;
3 a memory unit storing a computer program operable for preventing at least in
4 part a hacker from performing unwanted activities in said system; and
5 a bus system coupling the processor to the memory unit, wherein the
6 computer program is operable for performing the following programming steps:
7 receiving a request to provide a service from a user;
8 determining if said request was transmitted from a user space or a
9 kernel space of a memory space of said system, wherein if said request was
10 transmitted from said user space then said user is an unauthenticated user; and
11 determining if said request from said unauthenticated user fails to
12 satisfy a security requirement for unauthenticated requests, wherein if said request
13 from said unauthenticated user fails to satisfy said security requirement for
14 unauthenticated requests then said request is not serviced.

1 20. The system as recited in claim 19, wherein if said request from said
2 unauthenticated user does not fail to satisfy said security requirement for said
3 unauthenticated requests then said request is serviced.

1 21. The system as recited in claim 19, wherein if said request was from said
2 kernel space then the computer program is further operable for performing the
3 following programming step:
4 determining whether said request was transmitted from a manager in said
5 kernel space configured to establish a secure authorized connection between said user
6 and said kernel space if said user is authorized.

1 22. The system as recited in claim 21, wherein if said request was not transmitted
2 from said manager then said user is said unauthenticated user, wherein the computer
3 program is further operable for performing the following programming step:

4 determining whether said request satisfies said security requirement for
5 unauthenticated requests.

1 23. The system as recited in claim 22, wherein if said request does not satisfy said
2 security requirement for unauthenticated requests then said request is not serviced.

1 24. The system as recited in claim 22, wherein if said request satisfies said
2 security requirement for unauthenticated requests then said request is serviced.

1 25. The system as recited in claim 21, wherein if said request was transmitted
2 from said manager then said user is an authenticated user, wherein the computer
3 program is further operable for performing the following programming step:

4 determining whether said request satisfies a security requirement for
5 authenticated requests.

1 26. The system as recited in claim 25, wherein if said request does not satisfy said
2 security requirement for authenticated requests then said request is not serviced.

1 27. The system as recited in claim 25, wherein if said request satisfies said
2 security requirement for authenticated requests then said request is serviced.